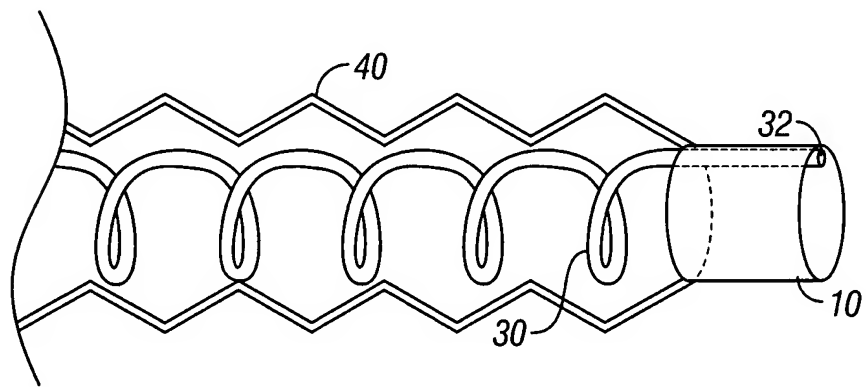
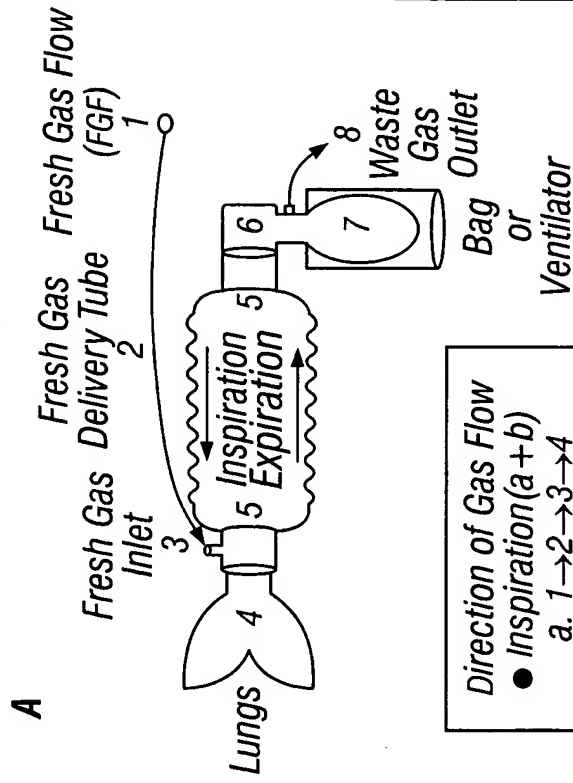


**FIG. 1**



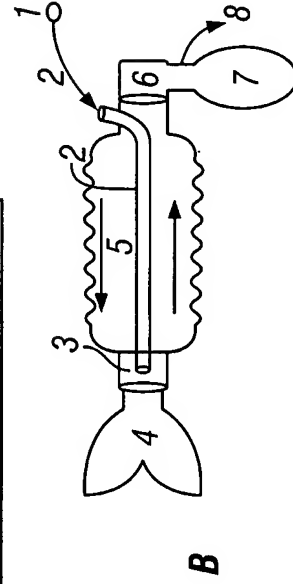
**FIG. 2**

### Mapleson D Type System

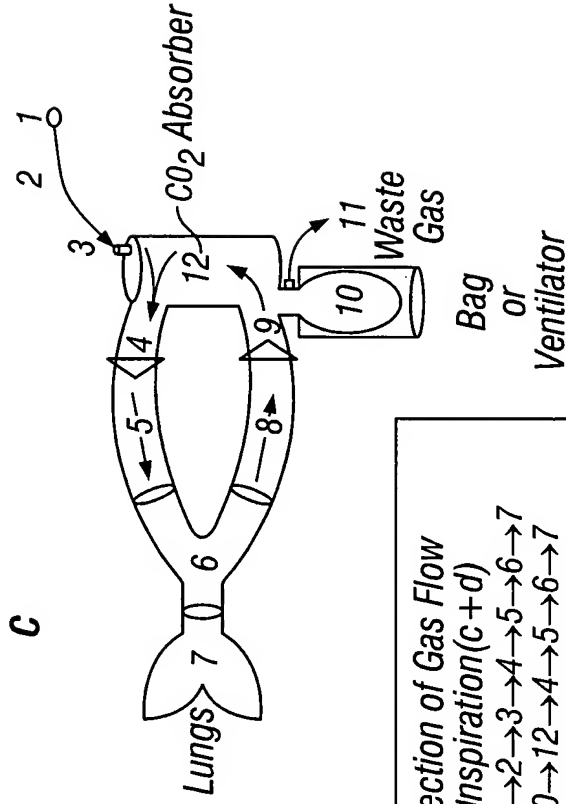


#### Direction of Gas Flow

- Inspiration (a + b)  
a. 1 → 2 → 3 → 4  
b. 7 → 6 → 5 → 4
- Expiration (a' + b')  
a'. 1 → 2 → 3 → 5  
b'. 4 → 5 → 6 → 7 → 8



### Circle CO<sub>2</sub> Absorption System



#### Direction of Gas Flow

- Inspiration (c + d)  
c. 1 → 2 → 3 → 4 → 5 → 6 → 7  
d. 10 → 12 → 4 → 5 → 6 → 7
- Expiration (c' + d')  
c'. 1 → 2 → 3 → 12  
d'. 7 → 6 → 8 → (8') → 9 → 10 → 11

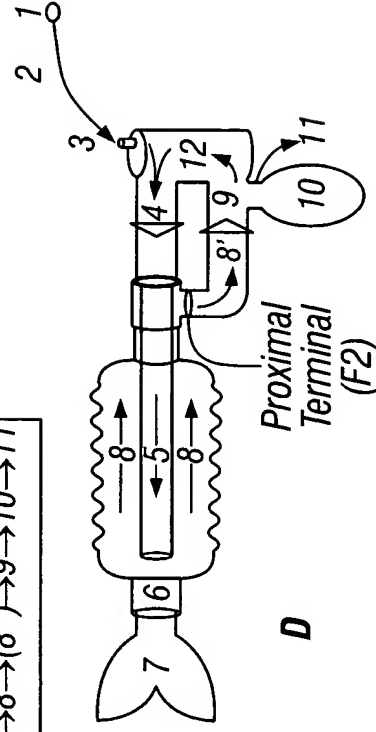


Fig. 3

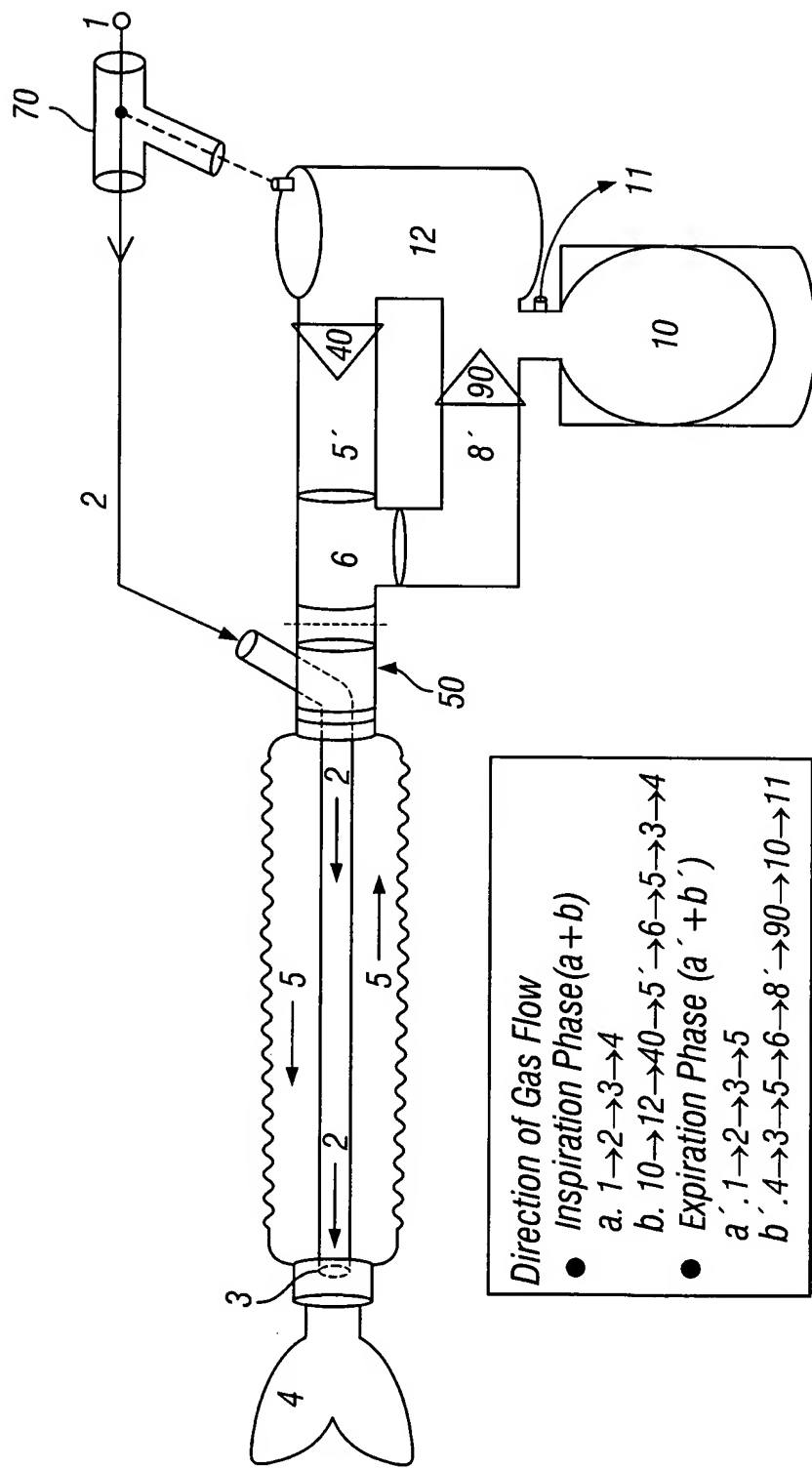


FIG. 4A

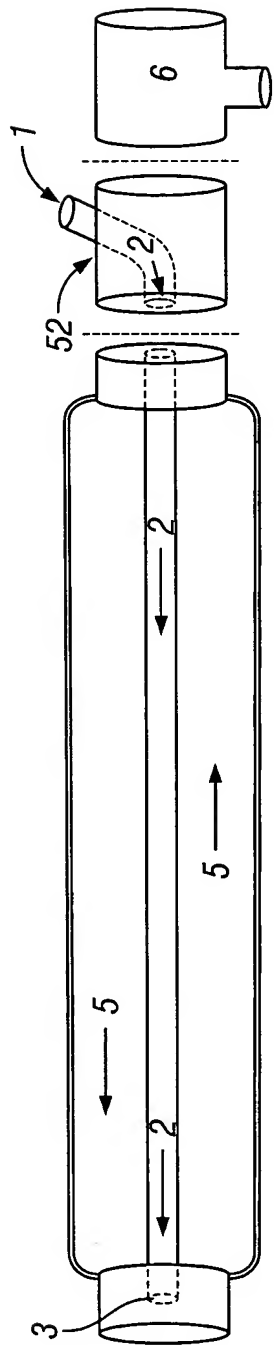


FIG. 4B

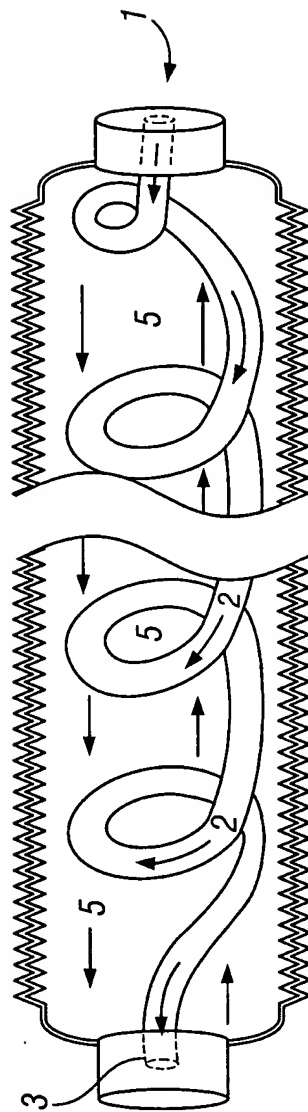
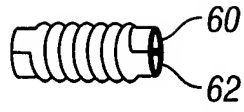
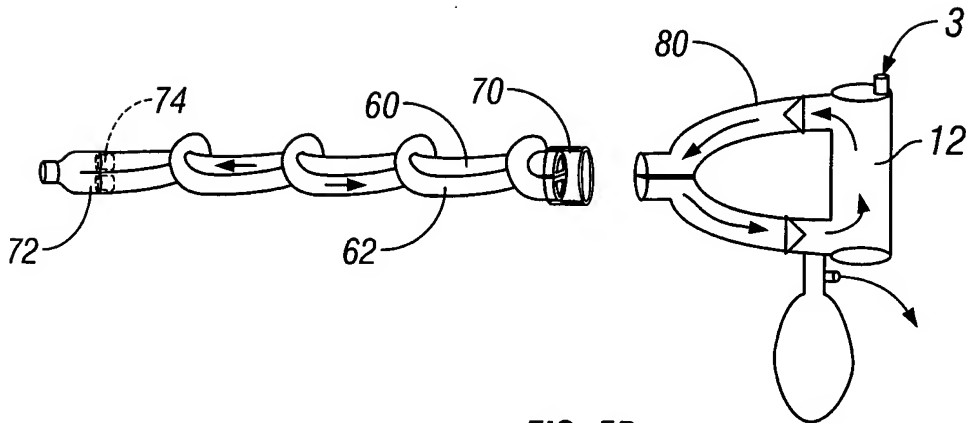


FIG. 4C



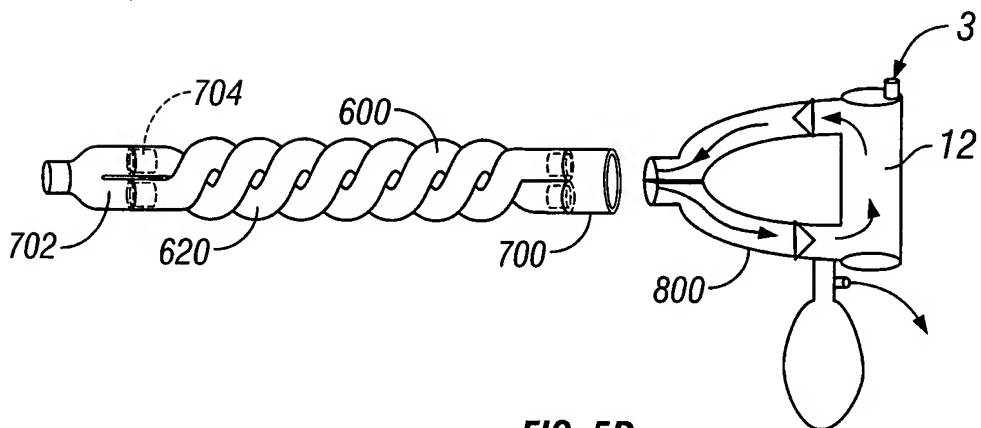
**FIG. 5A**



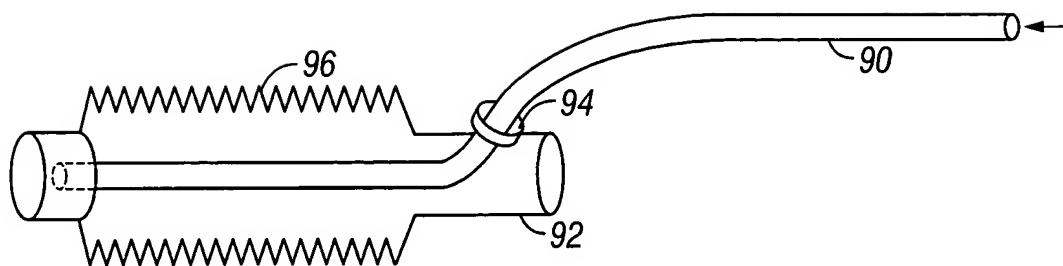
**FIG. 5B**



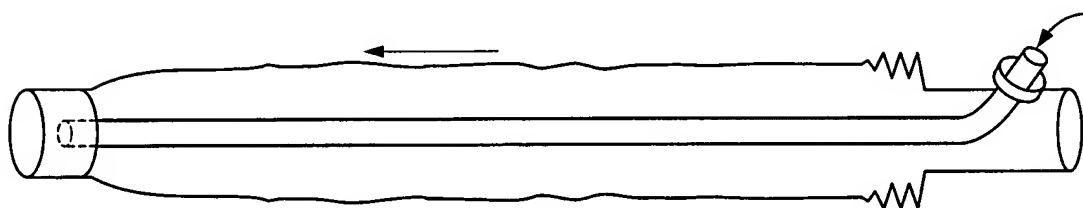
**FIG. 5C**



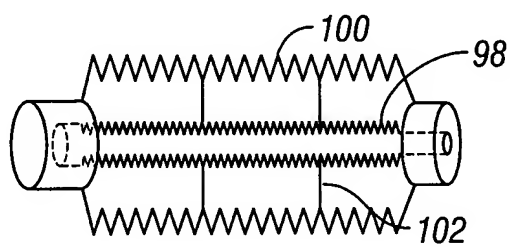
**FIG. 5D**



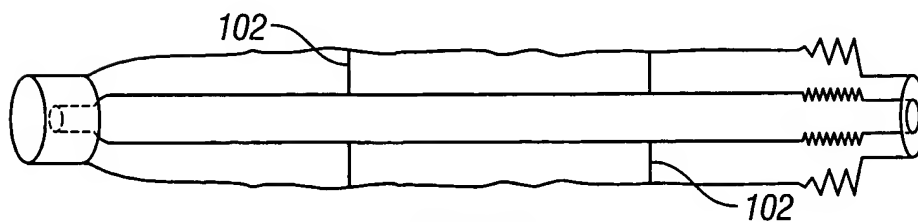
**FIG. 6A**



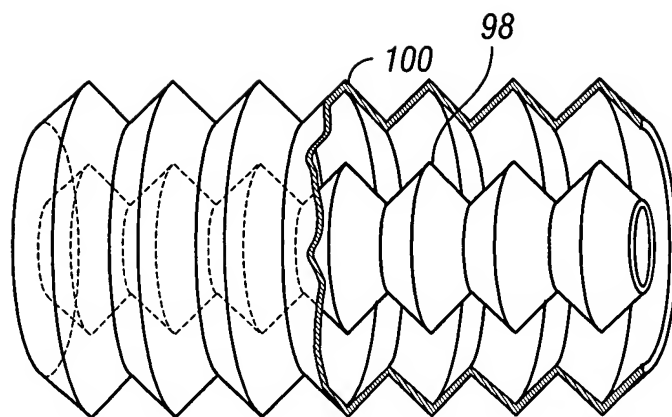
**FIG. 6B**



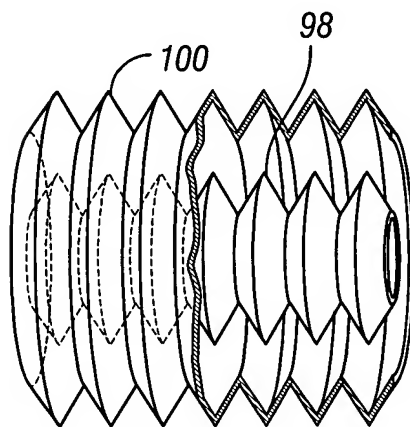
**FIG. 7A**



**FIG. 7B**



**FIG. 7C**



**FIG. 7D**

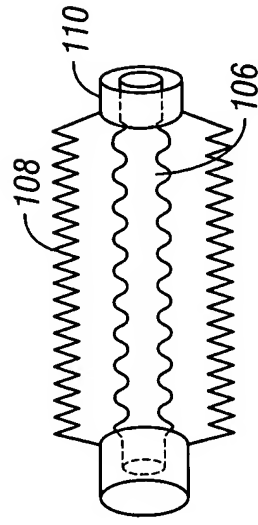


FIG. 8A

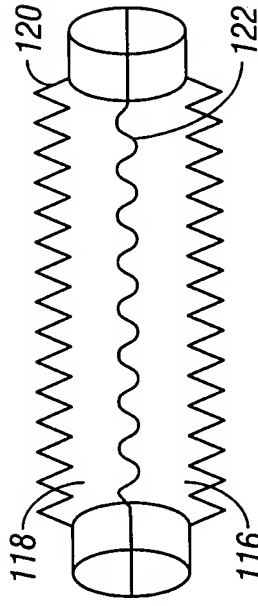


FIG. 9A

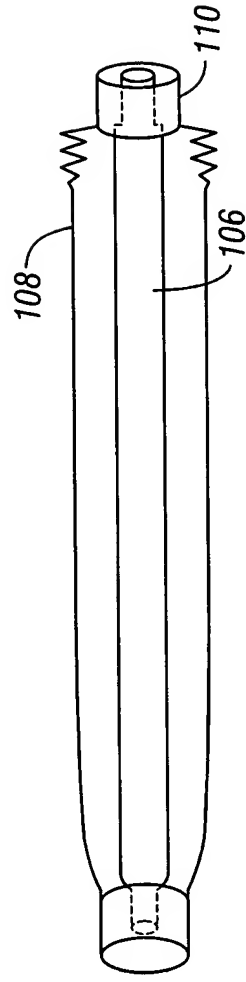


FIG. 8B

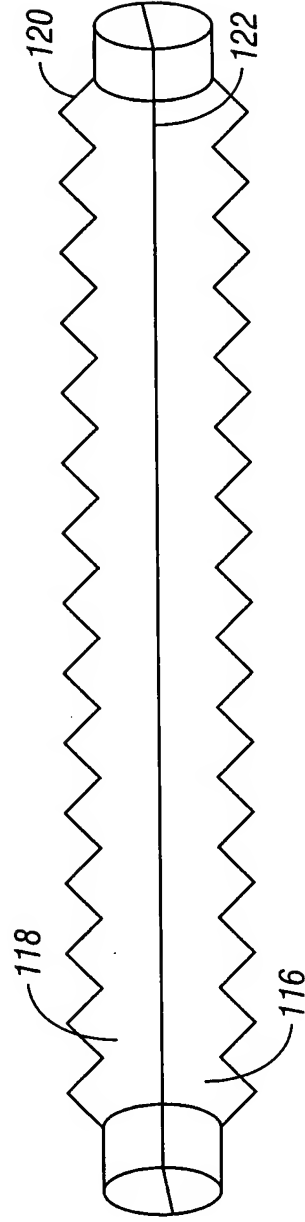
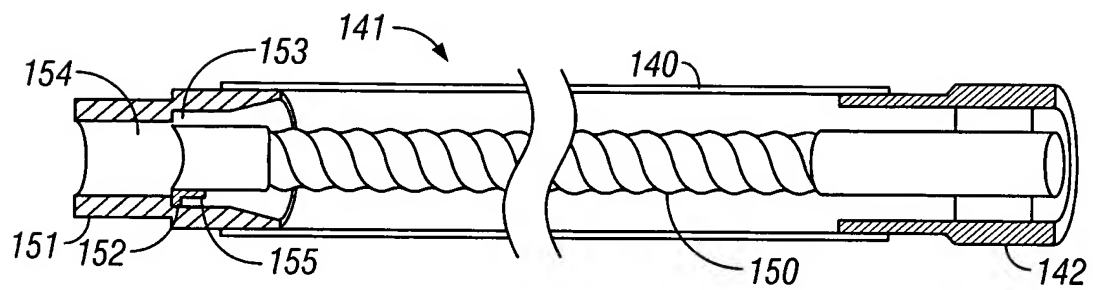
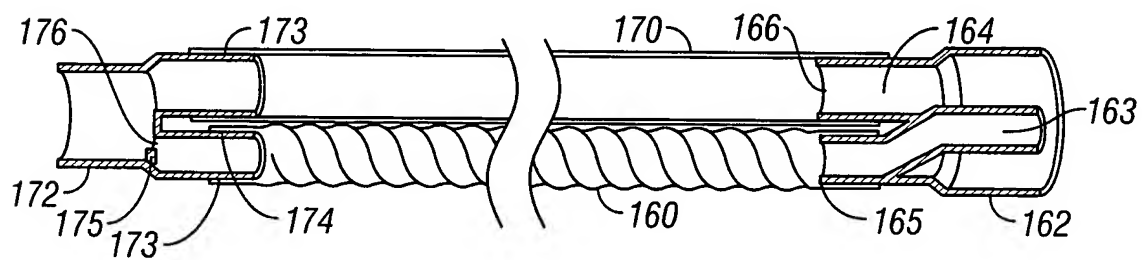


FIG. 9B

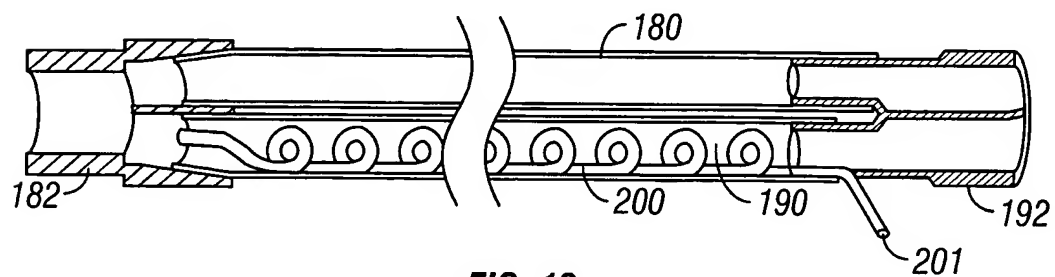




**FIG. 10**



**FIG. 11**



**FIG. 12**

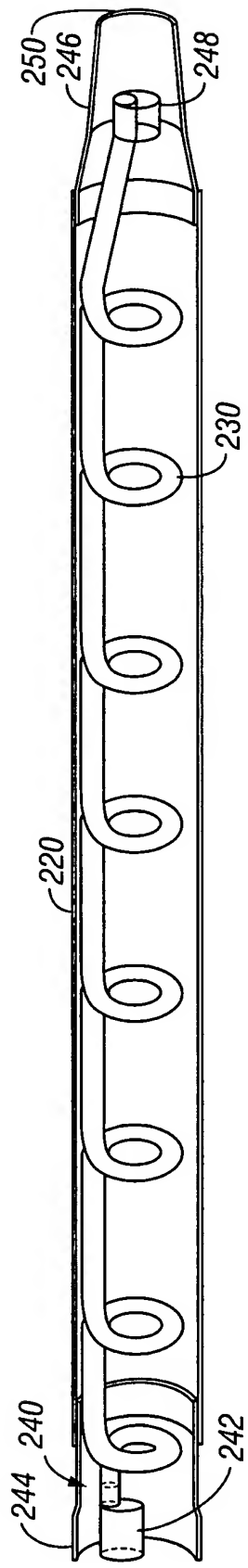


FIG. 13A

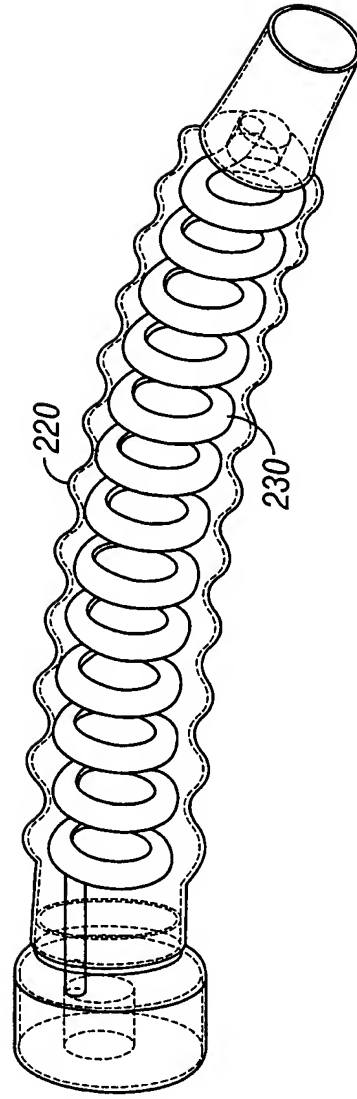


FIG. 13B